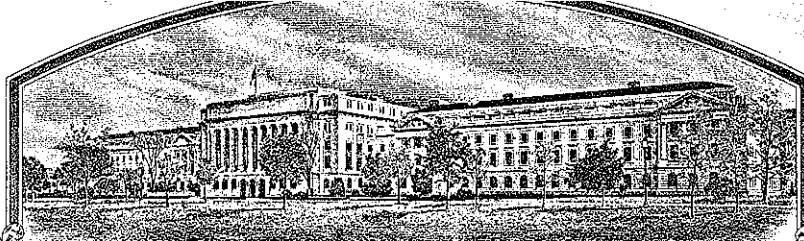


No.



7600032

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

FMC Corporation
Agricultural Chemical Division, Seed Department

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (AT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

LETTUCE

'Vanagara'



In Testimony Whereof, I have hereunto set
my hand and caused the seal of the Plant
Variety Protection Office to be affixed
at the City of Washington
this 15th day of September in
the year of our Lord one thousand nine
hundred and seventy-seven

Attest:

[Signature]
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

[Signature]
Secretary of Agriculture

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION		2. KIND NAME	FOR OFFICIAL USE ONLY	
Vanagra 4/25/77		Lettuce	PV NUMBER	7600032
3. GENUS AND SPECIES NAME		4. FAMILY NAME (Botanical)	FILING DATE	TIME
Lactuca sativa		Compositae	1-28-76	10 A.M.
5. DATE OF DETERMINATION			FEE RECEIVED	BALANCE DUE
March, 1975			\$ 250.00	\$ 2-5-76
6. NAME OF APPLICANT(S)		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	\$ 250.00	\$ 4-5-77
FMC Corporation Agricultural Chemical Division Seed Department Moran Seeds, Inc., 1155 Hawkins Rd. Salinas, California 93901		Post Office Box 2508 El Macero, California 95618	\$ 250.00	\$ 5-26-77
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.)		10. STATE OF INCORPORATION	8. TELEPHONE AREA CODE AND NUMBER	
Corporation		Delaware	(916) 756-1382	
11. DATE OF INCORPORATION				
		8-10-28		

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

Harrison H. Young, Jr.
Patents & Licensing Dept.
FMC Corporation
2000 Market Street
Philadelphia, Pa. 19103

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☒ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☒ 13B. Exhibit B, Botanical Description of the Variety
- ☒ 13C. Exhibit C, Objective Description of the Variety
- ☒ 13D. Exhibit D, Data Indicative of Novelty
- ☒ 13E. Exhibit E, Statement of the Basis of Applicant's Ownership

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 83(a). (If "Yes," answer 14B and 14C below.) ☐ YES ☒ NO14B. Does the applicant(s) specify that this variety be limited as to number of generations? ☐ YES ☒ NO14C. If "Yes," to 14B, how many generations of production beyond breeder seed? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

The applicant declares that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is distinct, uniform, and stable as required in Section 41 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

3-26-76
(DATE)

(DATE)

Tanv. Williams
(SIGNATURE OF APPLICANT)

(SIGNATURE OF APPLICANT)

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INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, 6525 Belcrest Road, Hyattsville, Maryland 20782. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- 5 Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the Act and decision is made to increase the seed.
- 13a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.
- 13b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.
- 13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.
- 13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.
- 13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

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EXHIBIT A

ORIGIN AND HISTORY OF VANAGARA LETTUCE

- 1967 - Vanguard MI Lot 5526 was received and given an accession number 41227. This seed was planted as plot 6801 in the 1967 lettuce trial. Two single-plant selections were made from this line.
- 1968 - A bulk of the 2 single-plant selections was grown in the screenhouse in 7 pots and was identified as plot 3735 (pots 1 through 7).
- 1969 - Progenies from 6 of these pots were grown in field plots 8727 through 8732. Plot 8728 was noted as an "early, very good Vanguard type."
- 1970 - Four single-plant selections of the "Vanguard new type," which were harvested from 1969 plot 8728, were grown in separate plots (9723, 9724, 9737, and 9740) in the screenhouse.
- Seed from the same selections from plot 8728 made in 1969 was also planted in a field trial and evaluated. One plot was identified as being the most uniform and typical of the line objectives. This was identical to the seed planted in the screenhouse and identified as plot 9737.
- 1972 - The progeny of plot 9737 was increased in the screenhouse. Twenty pots were planted and the lot was identified as 0813. The line, when harvested, was given an experimental number NCX 4400.
- 1972 - 175 grams of lot 9737=0813 was released to production for increase. NCX 4400 also was planted in our field trial and was observed to have larger heads and better wrapper leaves than regular Vanguard.
- 1973 - Stock seed increase of NCX 4400 and Commercial Trials in desert areas of California and Arizona.
- 1973-4 - Commercial trials indicated NCX 4400 was a distinctive variety with heads slightly larger and maturity slightly earlier than Vanguard. Wrapper leaves were better, color was darker green, and plants were more uniform than Vanguard.
- 1974 - Commercial Production and naming NCX 4400 Vanagara.

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EXHIBIT A Continued

1974-75 commercial production was grown and observed for uniformity. The fields of Vanagara generally were more uniform than those of Vanguard. A leaf type variant was found in the Vanagara fields at a frequency of less than 1/20,000. A photograph of this variant has been included.



EXHIBIT B

BOTANICAL DESCRIPTION OF THE VARIETY

Vanagara lettuce is a variety of Lactuca sativa, sub-species capitata (crisphead), an annual of the family Compositae.

Vanagara has large, orbicular leaves slightly curled on the edges, with crenate margins. The leaves are dark green, slightly darker in color than leaves of Vanguard. The inner leaves of Vanagara are compacted into a dense rosette, and the immediate outside leaves are incurved providing protection from sunburn.

The mature head is globular averaging 14 cm in diameter. Approximately 12% of the heads are slightly elongated, measuring about 1.5 cm more in height than width. This differs from Vanguard which produces some slightly flattened heads.

Vanagara is a brown seeded variety. Seeds are 3 - 4 mm long and 1 mm wide, attenuate at the base with acuminate tips.

OBJECTIVE DESCRIPTION OF VARIETY
(LETTUCE)

INSTRUCTIONS: See reverse.

NAME OF APPLICANT(S)

FMC Corporation

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

Post Office Box 2508
El Macero, California 95618

FOR OFFICIAL USE ONLY

PVPO NUMBER

297 - 1 - 7600032

VARIETY NAME OR TEMPORARY
DESIGNATION

VANAGARA

Place the appropriate number that describes the varietal character of this variety in the boxes below.

1. PLANT TYPE:

10 = CUTTING (Leaf)

20 = STALK

50 = BUTTERHEAD

60 = LATIN

70 = OTHER (Specify)

30 = COS

31 = SELF-CLOSING
GROUP32 = LOOSE-CLOSING
GROUP

40 = CRISPHEAD

41 = IMPERIAL GROUP

42 = GREAT LAKES GROUP

43 = VANGUARD

44 = NEW YORK GROUP

2. SEED COLOR:

1 = WHITE

2 = BLACK

3 = YELLOW

3. ANTHOCYANIN:

1 = ABSENT

2 = PRESENT

4. LEAF CONTAINING ANTHOCYANIN:

1 = COVERED

2 = SPOTTED

3 = ALONG MARGIN

4 = ABSENT

5 = OTHER (Specify) None

5. LEAF SURFACE TEXTURE:

1 = SMOOTH

2 = BLISTERED

6. LEAF SURFACE REFLECTANCE:

1 = DULL

2 = GLOSSY

3 = OTHER (Specify)

7. LEAF MARGIN:

1 = STRAIGHT

2 = WAVY

3 = CURLED

1 = ENTIRE

2 = DENTATE

3 = INCISED

4 = DEEPLY INCISED

5 = OTHER (Specify)

8. LEAF SHAPE:

1 = ROUNDED

2 = POINTED

1 = BROADER
THAN LONG2 = LONGER
THAN BROAD

3 = OTHER (Specify)

9. LEAF COLOR: (See reverse.)

1 = RED

2 = REDDISH-BROWN

3 = YELLOW

4 = YELLOWISH-GREEN

5 = GREYISH-GREEN

6 = BLUE-GREEN

7 = DARK-GREEN

8 = VERY DARK GREEN

10. HEADS:

1 = SPHERICAL

2 = FLATTENED

3 = ELONGATE

4 = POINTED

5 = NON-HEADING

11. PLANT SIZE: (See reverse.)

1 = SMALL

2 = MEDIUM

3 = LARGE

12. CULTURE:

1 = SUMMER
CROP2 = WINTER
CROP3 = NOT
SPECIFIC4 = UNDER
GLASS

5 = OTHER (Specify)

13. SIZE OF 10-DAY OLD SEEDLING GROWN UNDER CONSTANT LIGHT (Growth Chamber) AT 25° C.: (Place a zero in first box (i.e. 0 2) when size is 9 mm. or less.)

mm. LENGTH OF SEEDLING

mm. LENGTH OF COTYLEDON

mm. WIDTH OF COTYLEDON

14. DISEASE RESISTANCE TO: (Enter zeroes in box(es) where there is no special disease resistance.)

1 = TIPBURN

2 = MOSAIC

3 = DAMPING OFF

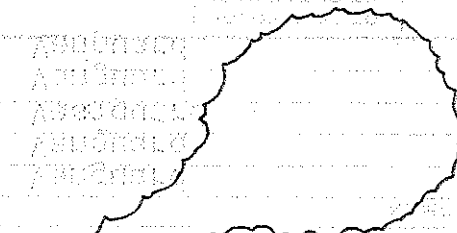
4 = DOWNY MILDEW

5 = SCLEROTINIA
ROT6 = BROWN
BLIGHT

7 = BIG VEIN

8 = OTHER (Specify)

15. OUTLINE THE FOURTH LEAF: (For standardization purposes, the fourth leaf should be taken from a 20-day old plant grown under constant light.)



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16. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

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CHARACTER		NAME OF VARIETY				
Leaf color		Vanguard				
Leaf pigmentation		Vanguard				
Leaf shape		Vanguard				
Plant size		Vanguard				
Head size		Vanguard				

VARIETY	NO. OF DAYS TO HEAD MATURITY UNDER WINTER CROPPING	LOCATION	NO. OF DAYS TO HEAD MATURITY UNDER SUMMER CROPPING	LOCATION	NO. OF DAYS TO SEED STALK EMERGENCE UNDER SUMMER CROPPING	LOCATION
Submitted	80-85	Blyth, Ca.			75-80	Five Pts, C
Similar	85-90	Blyth, Ca.			80-85	Five Pts, C
Name of similar variety	Vanguard				Vanguard	

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for completing this form:

1. C. M. Rodenburg, 1960, Varieties of Lettuce, An International Monograph, Instituut voor de Veredeling van Tuinbouwgewassen, Wageningen, Holland.
2. L. L. Morse, 1930, Field Notes on Lettuce, published by Ferry-Morse Seed Co.

LEAF COLOR: Nickerson's or any recognized color fan may be used to determine the leaf color of the described variety. The following lettuce varieties may be used as a guide to identify the eight colors listed on the form.

Color

Variety

Red	"Salad Trim"
Reddish-brown	"Ruby"
Yellow	"Salad Bowl"
Yellowish-green	"Oakleaf"
Greyish-green	"White Boston"
Bluish-green	"Bibb"
Dark-green	"Imperial" group
Very dark green	"Deer Tongue"

PLANT SIZE: The following varieties may be used as a guide to identify the plant type size:

TYPE	COMPARABLE VARIETIES		
	SMALL	MEDIUM	LARGE
Cutting (leaf)	Boston-Curled	Prize Head	Grand Rapids
Stalk (stem)	Celtuce		
Cos	Express	Parris Island	Giant White
Crisphead	Mignonette	Hanson (Merit)	Climax
Butterhead	Tom Thumb	Big Boston	Mammoth Butter
Latin	Sucrino	Creole	Deer Tongue

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EXHIBIT D
DATA INDICATIVE OF NOVELTY

1. Field Trial 1969 - "Vanagara was earlier in maturity and a very uniform Vanguard type." Plant breeders subjective evaluation.
2. Field Trial 1972 - "Vanagara had larger heads and better wrapper leaves than Vanguard."
3. Commercial Trials 1973-74, Blythe, California.

A. Vanagara head development showed 32/400 plants with head formation initiating. In an adjacent plot 22/400 plants of Vanguard lettuce forming heads.

B. 101/900 Vanagara plants were forming heads as compared to a Ferry-Morse Vanguard stock which had 85/900 beginning to form heads.

4. Commercial Trials 1974-75

A. Pandle Bros., Delano, California. Harvest results indicated Vanagara had darker color, better texture, and larger heads than Vanguard. These were growers observations.

B. Roberts Farms, Bakersfield, California. Vanagara produced 50 cartons more/acre than Vanguard at the first cut primarily because of larger head size. These were fieldman's remarks.

C. Vukosovich County, Yuma, Arizona. Seed specialists observations were that Vanagara was slightly larger, more uniform, and darker green than Vanguard.

D. Pacific Lettuce Co., Blythe, California. Seed Specialists observations were that Vanagara is larger in size than Vanguard and darker green.

E. Desco Ranches, Blythe, California. Harvest results showed Vanagara to have larger plants and heads than Vanguard.

F. Western Research Center, Davis, California. Mature head measurements for a sample of ten heads each from Vanagara and Vanguard showed the following:

Vanagara - 5.5" wide X 5.4" high

Vanguard - 5.4" wide X 5.2" high

Exhibit D continued:

E. Imperial Valley Field Station, Meloland, Calif. February 14, 1977

Fifty foot plots of Vanguard and Vanagara were planted adjacent to each other on October 16 and October 24, 1976.

The following maturity observations were made on Feb. 14:

	<u>Planting</u>	
	<u>October 16</u>	<u>October 24</u>
Vanguard	66/73 mature or 90%	19/85 mature or 22%
Vanagara	84/87 mature or 96%	32/69 mature or 42 ⁶ %

Measurements of frame size, head size (polar and equitorial), and core size were made on 30 mature plants of each variety. Mean differences and statistical significance of these means are as follows:

	<u>Frame Size"</u>	<u>Head Size "</u>		<u>Core Size "</u>
		<u>Polar</u>	<u>Equitorial</u>	
Vanguard	14.23	4.88	4.73	0.82
Vanagara	15.65	5.09	4.98	0.93
LSD	1.31*	0.11**	0.17**	0.03*

* Significant at 5%
 ** Significant at 1%

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EXHIBIT D Continued:
DATA INDICATIVE OF NOVELTY

Photo of typical plants and heads of:

left: Vanagara

right: Vanguard



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EXHIBIT E

STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

The applicant is the employer of the plant breeding research personnel responsible for developing Vanagara Lettuce.

A S S I G N M E N T

Whereas FMC CORPORATION, a corporation of the State of Delaware, having an office and place of business at 200 East Randolph Drive, Chicago, Illinois 60601, is the assignee of the entire right, title and interest in and to the United States Plant Variety Protection Certificates and Applications listed on the annexed Schedules A and B; and

Whereas MORAN SEEDS, INC., a corporation of the State of Delaware, having an office and place of business at 1155 Harkins Road, Salinas, California 93901, is desirous of acquiring the entire right, title and interest in and to said United States Plant Variety Protection Certificates and Applications;

Now therefore, for good and valuable consideration, receipt of which is hereby acknowledged, said FMC CORPORATION does hereby assign unto the said MORAN SEEDS, INC. all rights, title and interest in and to the said United States Plant Variety Protection Certificates and Applications listed on the annexed Schedules A and B.

FMC CORPORATION
By:

Daniel C. Smith
Vice-President

STATE OF Illinois)
COUNTY OF Cook) ss

On July 31, 1980, before me a Notary Public in and for the County and State aforesaid, appeared

DANIEL C. Smith, Vice President

to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act, and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Barbara J. Neal
Notary Public

SCHEDULE A

PLANT VARIETY PROTECTION CERTIFICATES

<u>Certificate No.</u>	<u>Name of Kind</u>	<u>Issued</u> <u>DATE</u> <i>1st</i>	<u>Name of Variety</u>
7200145	Bean	741030 <i>1st</i>	Gem
7200146	Watermelon	741115 <i>URB</i>	Charleston '76
7600032	Lettuce	770915 <i>URB</i>	Vanagara
<i>8 R/S</i> 7600028	Muskmelon	790531 <i>R/S</i>	Valley Gold

SCHEDULE B

PLANT VARIETY PROTECTION CERTIFICATE APPLICATIONS

<u>Application No.</u>	<u>Name of Kind</u>	<u>Filing date</u>	<u>Name of Variety</u>
7900038	Bean	790112 ^{set}	Blue Duet
7900039	Bean	790110 ^{set}	Score

ASSIGNMENT

WHEREAS, Moran Seeds, Inc. ("Moran"), a corporation duly organized and existing under the laws of the State of Delaware is the owner of United States Plant Variety Protection Certificates (the "Certificates"), listed in Exhibit A hereto and Pending United States Plant Variety Protection Applications (the "Applications"), listed in Exhibit B hereto; and

WHEREAS, in accordance with a Technology Transfer Agreement (the "Transfer Agreement") among Celanese Corporation ("Celanese"), Moran Seeds, Inc., Joseph Harris Company, Inc., CelPril Industries, Inc., Harris Moran International B.V. ("Sellers"), Virginia Chemicals, Inc., Les Produits Organiques du Santerre-Orsan S.A. ("Orsan"), HMS Acquisition Inc., CP Acquisition Inc., and Exploitiemaatschappij Wolwevershaven B.V., dated January 10, 1985, and a Purchase Agreement dated December 7, 1985, as amended, among Celanese, Sellers and Orsan, Orsan has purchased from Moran said Certificates and Applications.

NOW, THEREFORE, in accordance with said Transfer Agreement and Purchase Agreement, Moran assigns to Orsan all of its rights, title and interest in and to said Certificates and Applications.

Moran hereby authorizes Orsan to apply for and obtain the recordation of this Assignment. Moran agrees that it shall, without further consideration, promptly and duly cause to be performed such lawful acts and execution of any other documents as Orsan may reasonably request in order for Orsan to obtain the full benefits of this Assignment and to permit Orsan to be duly recorded in each office, bureau and tribunal in the appropriate jurisdiction as the registered owner or proprietor of each of the rights hereby assigned. Such instruments and documents shall include, without limitation, such applications, affidavits and other documents for filing in such jurisdictions as Orsan may from time to time reasonably request.

By these presents Orsan does hereby accept this Assignment and authorize the recording thereof with the appropriate authorities aforesaid.

IN WITNESS WHEREOF, the parties have caused this Assignment to be executed by its proper officers thereunto duly authorized this 10th day of January, 1985.

MORAN SEEDS, INC.,
Assignor

By: David A. Jenkins
David A. Jenkins
Vice President

LES PRODUITS ORGANIQUES DU
SANTERRE-ORSAN S.A.
Assignee

By: [Signature]
Title: Attorney-in-fact

STATE OF New York
COUNTY OF New York

Before me, a Notary Public, in and for said County, personally appeared David Jenkins who acknowledged that he is Vice President of Moran Seeds, Inc., the corporation which executed the foregoing instrument and who acknowledged he signed said instrument on behalf of said corporation by authority of its Board of Directors; and that said instrument is the free corporate act and deed of said Moran Seeds, Inc.

Sworn before me at New York this 10th day
of January, 1985

Alex C. Lengyel
NOTARY PUBLIC

(Notary Public)

My Commission Expires:

ALEX C. LENGYEL
Notary Public, State of New York
Qualified in New York County
Commission Expires March 20, 1986

STATE OF New York
COUNTY OF New York

Before me, a Notary Public, in and for said County, personally appeared Patrice Lefebvre who acknowledged that he is ~~Patrice Lefebvre~~ of Les Produits Organiques du Santerre-Orsan S.A., the corporation which executed the foregoing instrument and who acknowledged he signed said instrument on behalf of said corporation by authority of its Board of Directors; and that said instrument is the free corporate act and deed of said Les Produits Organiques du Santerre-Orsan S.A.

Sworn before me at New York this 10th
day of January, 1985.

Alex C. Lengyel
NOTARY PUBLIC

(Notary Public)

My Commission Expires:

ALEX C. LENGYEL
Notary Public, State of New York
No. 11482717
Qualified in New York County
Commission Expires March 10, 1986

Exhibit A

United States Plant Variety Protection Certificates

<u>Cert. No.</u>	<u>Date Issued</u>	<u>Kind</u>	<u>Variety Name</u>	<u>Owner</u>
7200145	10/30/74	Garden Bean	Gem	Moran Seeds, Inc.
7200146	11/15/74	Watermelon	Charleston 76	Moran Seeds, Inc.
7400013	5/9/74	Lettuce	Calmaria	Moran Seeds, Inc.
7400014	6/19/74	Lettuce	Cal K-60	Moran Seeds, Inc.
7400071	6/19/74	Lettuce	Cabrillo	Moran Seeds, Inc.
7600032	9/15/77	Lettuce	Vanagara	Moran Seeds, Inc.
7600039	12/8/77	Lettuce	Morangold	Moran Seeds, Inc.
7800028	5/31/79	Muskmelon	Valley Gold	Moran Seeds, Inc.
7900038	1/14/82	Garden Bean	Blue Duet	Moran Seeds, Inc.
7900039	7/15/82	Snapbean	Score	Moran Seeds, Inc.
7900066	11/27/79	Cauliflower	Snowball 123	Moran Seeds, Inc.
8000020	7/31/80	Muskmelon	Top Net	Moran Seeds, Inc.
8000082	12/10/81	Lettuce	Delmar	Moran Seeds, Inc.
8200019	10/28/82	Onion	OMO M	Moran Seeds, Inc. Oshita, Inc.
8200061	3/24/83	Watermelon	Sun Gold	Moran Seeds, Inc.
8200104	10/28/82	Tomato	Advantage	Moran Seeds, Inc.
8200105	11/26/82	Tomato	Moran 3053	Moran Seeds, Inc.
8200027	4/23/83	Lettuce	El Toro	Moran Seeds, Inc.
8100172	9/29/83	Lettuce	Van Mor	Moran Seeds, Inc.
8300113	8/31/84	Muskmelon	Top Net SR	Moran Seeds, Inc.

Exhibit B

Pending United States Plant Variety Protection Applications

<u>Application No.</u>	<u>Filing Date</u>	<u>Kind</u>	<u>Variety Name</u>	<u>Owner</u>
8100167	9/9/81	Lettuce	Yuma	Moran Seeds, Inc.
8300155	7/18/83	Celery	Bishop	Moran Seeds, Inc.
8300156	7/18/83	Celery	Deacon	Moran Seeds, Inc.
8300172	9/1/83	Tomato	Diego	Moran Seeds, Inc.
8400013	12/1/83	Lettuce	Greenfield	Moran Seeds, Inc.

